

## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 2023I
www.uspto.gov

## 

Bib Data Sheet

**CONFIRMATION NO. 2113** 

SERIAL NUMBE 10/081,673	FILING DATE 02/22/2002 RULE	c	<b>CLASS</b> 709	GROUP ART UNIT 2152			ATTORNEY DOCKET NO. 213822	
Ramanathar Yun Lin, Kirl David Kruse  ** CONTINUING D  ** FOREIGN APPI	an Ramanathan, Samman n Ganapathy, Redmond, W kland, WA; r, Kirkland, WA; PATA ***********************************	/A;						
Foreign Priority claimed			STATE OR COUNTRY WA	SHEETS DRAWING 8		TOTAL CLAIMS 21		INDEPENDENT CLAIMS 3
TITLE Opportunistic direct	etory cache							
RECEIVED N					All Fees  1.16 Fees (Filing)  1.17 Fees (Processing Ext. of time)  1.18 Fees (Issue)  Other  Credit			